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10/765,386	01/26/2004	Hideki Nonaka	1232-5259	2540
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MORGAN & FINNEGAN, L.L.P.			KAO, CHIH CHENG G	
	NANCIAL CENTER NY 10281-2101		ART UNIT	PAPER NUMBER
,			2882	

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

·		· Or
	Application No.	Applicant(s)
	10/765,386	NONAKA ET AL.
Office Action Summary	Examiner	Art Unit
	Chih-Cheng Glen Kao	2882
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on This action is FINAL . 2b)⊠ This Since this application is in condition for allowant closed in accordance with the practice under E	- action is non-final. ace except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-15 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or		4
Application Papers	•	
9)⊠ The specification is objected to by the Examiner 10)⊠ The drawing(s) filed on 26 January 2004 is/are: Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11)□ The oath or declaration is objected to by the Examiner	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/12/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	

DETAILED ACTION

Specification

1. The specification is objected to because of the following informalities, which appear to be minor draft errors including spelling issues.

In the following format (location of objection; suggestion for correction), the following corrections may obviate their respective objections: (abstract, line 2, "exposion"; replacing "exposion" with - -exposure- -), (page 3, line 20, "exposion"; replacing "exposion" with - -Exposure- -), (page 6, line 12, "exposion"; replacing "exposion" with - -exposure- -), and (page 31, line 3, "exposion"; replacing "exposion" with - -exposure- -).

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 15 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 15, it is unclear whether a program or method is being claimed. Claim 15 can be paraphrased as a computer program comprising a decision step, which would not be clear since a computer program does not comprise method steps.

On the other hand, a computer readable medium encoded with a computer program which causes a computer to execute a method applied to a radiographic apparatus, wherein the method comprises: a step, would be considered clear.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1, 3, 5-8, and 12-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Khutoryansky et al. (US Patent 6047042).
- 4. Regarding claims 1 and 13, Khutoryansky et al. discloses a radiographic apparatus and method (fig. 1, #100) comprising a control section (fig. 1, #112) which decides a mode of use of outputs from a plurality of radiation dose detection devices on the basis of a relative positional relationship (col. 7, lines 26-34) between an object (fig. 1, #116) and the radiographic apparatus (fig. 1, #100).
- 5. Regarding claims 3 and 5, Khutoryansky et al. further discloses a recognition section which recognizes the relative positional relationship between an object and a radiographic apparatus (col. 7, lines 26-34), wherein the recognition section includes an operation section (fig. 4, #464) and acquires, from the operation section (fig. 4, #464), information representing the

Application/Control Number: 10/765,386 Page 4

Art Unit: 2882

relative positional relationship (col. 11, lines 42-66) between the object (fig. 1, #116) and the

radiographic apparatus (fig. 1, #100).

6. Regarding claims 6 and 7, Khutoryansky et al. further discloses wherein the plurality of

radiation dose detection sections (fig. 3a, #120a-120e) are arranged between pixels of the

radiographic image detection section (fig. 3a, #118), and wherein the plurality of radiation dose

detection sections are formed in a layer (fig. 3a, #110) different from a layer where pixels of the

radiographic image detection section are formed (fig. 3a, #118).

7. Regarding claim 8, Khutoryansky et al. would necessarily have a radiographic image

detection region of the radiographic image detection section (fig. 1, #118) having different

lengths in vertical and horizontal directions based on the region one may arbitrarily select.

8. Regarding claims 12 and 14, Khutoryansky et al. further discloses an exposure control

section or step of controlling exposure (fig. 4, #390) of a radiographic image detection section

(fig. 1, #118) in accordance with the mode decided in the decision step or control section (fig. 1,

#112).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 9. Claims 2 and 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Khutoryansky et al. as applied to claim 1 above, and further in view of Kobayashi et al. (JP 06-251893).
- 10. Regarding claim 2, Khutoryansky et al. discloses an apparatus as recited above.

However, Khutoryansky et al. does not disclose wherein a control section decides a mode of use of outputs from a plurality of radiation dose detection sections on the basis of an arrangement state of a radiographic apparatus.

Kobayashi et al. teaches wherein a control section decides a mode of use of outputs from a plurality of radiation dose detection sections (fig. 11, #111) on the basis of an arrangement state of a radiographic apparatus (figs. 10 and 11).

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to incorporate the apparatus of Khutoryansky et al. with the mode of use on the basis of arrangement of Kobayashi et al., since one would be motivated to make such a modification to fit the region of interest of the object onto the detection range better (fig. 11) as implied from Kobayashi et al.

11. Regarding claims 9-11, Khutoryansky et al. discloses an apparatus as recited above.

However, Khutoryansky et al. does not disclose wherein a plurality of radiation dose detection sections are arranged such that when a radiographic image detection section is rotated by only a predetermined angle in a radiographic image detection plane, positions of some or all

of the plurality of radiation dose detections sections before rotation coincide with those after rotation, and a pivot mechanism which integrally pivots the radiographic image detection section and the plurality of radiation dose detections sections in a radiographic image detection plane of the radiographic image detection section.

Kobayashi et al. teaches wherein a plurality of radiation dose detection sections (fig. 11, #111) are arranged such that when a radiographic image detection section (fig. 11, #108) is rotated by only a predetermined angle in a radiographic image detection plane (fig. 11, rotation in plane defined by #108), positions of some or all of the plurality of radiation dose detections sections (fig. 11, #111) before rotation coincide with those after rotation (figs. 10 and 11), and a pivot mechanism which integrally pivots the radiographic image detection section (fig. 11, #108) and the plurality of radiation dose detections sections (fig. 11, #111) in a radiographic image detection plane (fig. 10, plane defined by #108) of the radiographic image detection section (fig. 10).

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to incorporate the apparatus of Khutoryansky et al. with the pivoting mechanism of Kobayashi et al., since one would be motivated to make such a modification to fit the region of interest of the object onto the detection range better (fig. 11) as implied from Kobayashi et al.

12. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Khutoryansky et al. as applied to claim 3 above, and further in view of Katayama (JP 2000-023959).

Khutoryansky et al. discloses an apparatus as recited above.

However, Khutoryansky et al. does not disclose wherein a recognition section includes a sensor which detects the relative positional relationship between an object and a radiographic apparatus.

Katayama teaches wherein a recognition section includes a sensor (fig. 1, #4) which detects the relative positional relationship between an object (fig. 1, #3) and a radiographic apparatus.

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to incorporate the apparatus of Khutoryansky et al. with the recognition section of Katayama, since one would be motivated to make such a modification for simpler and automatic selection of radiation dose detection sections (abstract, problem to be solved section) as implied from Katayama.

13. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Khutoryansky et al. in view of Li (US Patent 6459755).

For purposes of being concise, Khutoryansky et al. discloses an apparatus as recited above.

However, Khutoryansky et al. does not disclose a computer-readable medium.

Li teaches a computer-readable medium (col. 2, lines 25-27, and fig. 2, #36).

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to incorporate the apparatus of Khutoryansky et al. with the computer-readable medium of Li, since one would be motivated to make such a modification to centralize processing for easier coordination and use (fig. 2, #36) as implied from Li.

Application/Control Number: 10/765,386

Art Unit: 2882

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chih-Cheng Glen Kao whose telephone number is (571) 272-

2492. The examiner can normally be reached on M - F (9 am to 5 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ed Glick can be reached on (571) 272-2490. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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Page 8